

## Re: thoughts about investigating the AMTS mechanisms

Liu, Xiaoyu <Liu.Xiaoyu@epa.gov>

Thu 6/23/2011 11:09 AM

To: CN=Andy Stinson/OU=RTP/O=USEPA/C=US@EPA <CN=Andy Stinson/OU=RTP/O=USEPA/C=US@EPA>  
Cc: Zhishi Guo <Guo.ZhishiLNDU@usepa.onmicrosoft.com>; Krebs, Ken <krebs.ken@epa.gov>; Mocka, Corey <mocka.corey@epa.gov>; Nancy Roache <Roache.NancyLNDU@usepa.onmicrosoft.com>

Andy,

In EPA method 680. it uses chrysene-d12 and phenanthrene-d10 as internal standards and 13C12-4,4'-DDT and 13C6-gamma-BHC as surrogates.

You are right, we need to make sure the lab we are going to use does not use PCB209.

Xiaoyu

From: Andy Stinson/RTP/USEPA/US  
To: Xiaoyu Liu/RTP/USEPA/US@EPA  
Cc: Zhishi Guo/RTP/USEPA/US@EPA, Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA, Nancy Roache/RTP/USEPA/US  
Date: 06/23/2011 10:04 AM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Xiaoyu,  
I think that they use Congener 209 & TMX as recovery/interal standards for that method.  
Andy

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Andy Stinson  
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From: Xiaoyu Liu/RTP/USEPA/US  
To: Zhishi Guo/RTP/USEPA/US@EPA  
Cc: Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA, Nancy Roache/RTP/USEPA/US@EPA, Andy Stinson/RTP/USEPA/US@EPA  
Date: 06/23/2011 10:02 AM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Zhishi,

That will be EPA method 680. I do not know the cost though.

Xiaoyu

From: Zhishi Guo/RTP/USEPA/US

To: Xiaoyu Liu/RTP/USEPA/US@EPA  
Cc: Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA, Nancy Roache/RTP/USEPA/US@EPA, Andy Stinson/RTP/USEPA/US@EPA  
Date: 06/23/2011 08:17 AM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Xiaoyu:

I thought we were going to analyze the homologues instead of congeners.

Zhishi

From: Xiaoyu Liu/RTP/USEPA/US  
To: Zhishi Guo/RTP/USEPA/US@EPA  
Cc: Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA, Nancy Roache/RTP/USEPA/US@EPA, Andy Stinson/RTP/USEPA/US@EPA  
Date: 06/22/2011 03:36 PM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Zhishi and All,

I have revised the NASA method test plan, which incorporates our recent discussion of the test matrix and mechanism study.

They are mainly in Section 3.5 and 3.6 - I tried not to add additional work other than we have discussed.

Andy said that for the samples of mechanism study, it will cost \$1000 to \$1500 per sample since congeners' analysis was only described in High-Res MS method and most of the commercial labs only report Aroclors. Based on our visit to Northeast lab, I do have the same concern. Based on current plan we will have 13 samples for analyses, we will need to reduce the number of samples and find a reliable lab ASAP.

Comments on the test plan are welcome.

Xiaoyu

[attachment "NASA Method EvaluationTestPlan-V3.0.docx" deleted by Zhishi Guo/RTP/USEPA/US]

From: Zhishi Guo/RTP/USEPA/US  
To: Xiaoyu Liu/RTP/USEPA/US@EPA  
Cc: Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA  
Date: 06/22/2011 11:17 AM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Xiaoyu:

I suggest you post a revised version as the tentative procedure for Corey to start working on.

Zhishi

From: Xiaoyu Liu/RTP/USEPA/US

To: Zhishi Guo/RTP/USEPA/US@EPA  
Cc: Ken Krebs/RTP/USEPA/US@EPA, Corey Mocka/RTP/USEPA/US@EPA  
Date: 06/22/2011 10:52 AM  
Subject: Re: thoughts about investigating the AMTS mechanisms

Zhishi,

Please see my comments. We need to decide this ASAP since we need to order PCB209 and send the samples out for analysis.

Xiaoyu

[attachment "Approach to eval AMTS mechanisms-XL.docx" deleted by Zhishi Guo/RTP/USEPA/US]

From: Zhishi Guo/RTP/USEPA/US  
To: Xiaoyu Liu/RTP/USEPA/US@EPA, Ken Krebs/RTP/USEPA/US@EPA  
Date: 06/22/2011 09:58 AM  
Subject: thoughts about investigating the AMTS mechanisms

Xiaoyu and Ken:

Please see the attachment.

[attachment "Approach to eval AMTS mechanisms.docx" deleted by Xiaoyu Liu/RTP/USEPA/US]

Zhishi